

Title (en)

Transparent sheet material for electrostatic copiers.

Title (de)

Durchsichtiges Folienmaterial für elektrostatische Kopiergeräte.

Title (fr)

Feuilles transparentes pour photocopieurs électrostatiques.

Publication

EP 0240147 A2 19871007 (EN)

Application

EP 87301683 A 19870226

Priority

US 84627486 A 19860331

Abstract (en)

This invention relates to transparent sheet material suitable for making transparencies in plain paper electrostatic copiers. When transparent, polymeric sheets are imaged in a conventional electrostatic copying machine, static charge on the surfaces of the sheets causes them to jam the machine or to pass through the machine without having an image formed thereon. Jamming can be caused by multiple feedings of sheets, i.e. more than one sheet entering the imaging zone of the copier at the same time. Multiple feeding can result from two or more sheets clinging together on account of static charge or excessively high coefficient of friction. While excessively high coefficient of friction can be reduced by proper selection and/or treatment of the surface material of the transparency sheet, it is desired to provide treatment to the transparent sheet material to reduce static charge, thus resulting in fewer jams and fewer unimaged sheets. This invention provides transparent sheet material for use in plain paper electrostatic copiers comprising (a) a flexible, transparent, heat resistant, polymeric film base, (b) an imaging receiving layer carried upon a first major surface of the film base, and (c) a layer of electrically conductive prime coat interposed between the image receiving layer and the film base. This sheet material can be used in either powder-toned or liquid-toned plain paper copiers for making transparencies.

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G03G 7/00

IPC 8 full level

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